Date: Sun, 17 Jan 93 12:38:05 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #73
To: Info-Hams

Info-Hams Digest Sun, 17 Jan 93 Volume 93 : Issue 73

Today's Topics:

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 17 Jan 93 18:33:11 GMT
From: usc!howland.reston.ans.net!spool.mu.edu!hri.com!noc.near.net!
news.cs.brandeis.edu!chaos.cs.brandeis.edu!slanka@network.UCSD.EDU
Subject: AMSAT data for SRI LANKAN HAM
To: info-hams@ucsd.edu

Hello,

My father who is a Sri Lankan ham (4S7AV) is looking for
AMSAT data. Could someone please let me know how I can get
this information so that I can mail/email it to him regularly.
Thanks in advance for your help. Please email to:

slanka@chaos.cs.brandeis.edu
Ishantha Lokuge

Date: Sun, 17 Jan 1993 15:11:21 GMT
From: swrinde!emory!gatech!kd4nc!ke4zv!gary@network.UCSD.EDU
Subject: Code Class - How to make it Fun?
To: info-hams@ucsd.edu

In article <1993Jan16.165756.16539@eagle.lerc.nasa.gov> fmfedor@sven.lerc.nasa.gov
(Alvin Fedor) writes:
>Hi, I'm helping to teach a class for upgrade to General. It's for folks
>with 0 or 5 wpm.
>
>Does anyone know of a way to 1)"teach" code and 2)make it FUN?
>
>Most in the class have purchased the ARRL beginners set, but this is not
>enough to keep some interested in learning. The class consists of a
>fairly broad spectrum of people, we've recommended Super Morse et. al. to
>those who have access to computers. We were looking for activities or
>something to boost interest (fun).
>
>Any and all suggestions are welcome, except flames about OF's, obsolete
>technology etc. Right now the reality is that if people want to upgrade
>they have to pass a code test.

As soon as the class members can copy enough letters, send jokes to the
class. The ones who laugh, got it. Pair off your students as soon as
possible and have them exchange real messages. Nothing is duller than
random drill text. It's excellent for them to practice on at *home*, but
in the class the content of the messages should be fun. Another activity
that's hilarious is the old pass it down gag. Have your students act as
relays for a simple message. They must resend *exactly* what they copied.
See if the last person can make *any* sense of the message. Letting the
students *send* as well as receive is a big morale boost even though
it isn't required for the test.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary

534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | | emory!ke4zv!gary@gatech.edu

Date: Sun, 17 Jan 93 02:31:16 GMT
From: swrinde!emory!gatech!rpi!newsserver.pixel.kodak.com!laidbak!tellab5!balr!
ttd.teradyne.com!news@network.UCSD.EDU
Subject: FCC General Radiotelephone license in aviation
To: info-hams@ucsd.edu

In article <1j6lf5INNalt@mirror.digex.com>, stephens@access.digex.com (John
Stephens) writes:
> In article <1993Jan13.213951.24970@Csli.Stanford.EDU> kawai@csli.stanford.edu
(goh kawai - n6uok) writes:
> ...Dear all
> ...
> ...What is the practical significance of holding an FCC General Radiotelephone
> ...license as far as aviation is concerned?
> ...
> ...I understand that, as far as flying aircraft of U.S. registry within the
> ...U.S. is concerned, an FCC license is not required to operate the aircraft's
> ...radio. (The aircraft has its FCC station license, but the pilot does not
> ...need an FCC operator license.) When flying aircraft of U.S. registry
> ...outside of the U.S., an FCC Restricted Radio Operator's license is required.
> ...Am I correct?

In March 1985, the FCC amended it's regulations to no longer require that a
person hold a restricted radiotelephone operator's permot for domestic VHF
aircraft radio operations.

An operators permit is still required for any aircraft radio operaation
involving the following: a landing in a foreign country following takeoff from
a location in the United States; and/or use of medium or high frequencies.

> ...
> ...I ask this question because at a local aviation store, they were selling a
> ...textbook for passing the FCC General Radiotelephone license, and the
> ...implication was that an FCC General Radiotelephone license can be useful in
> ...aviation. Does this apply to technicians who check, maintain and calibrate
> ...aviation radio equipment on the ground? Or does it apply to radio operators
> ...in the air?

The FCC General Radiotelephone license was never required to operate an
aircraft radio. The General Radiotelephone license superseded the First and
Second Class Radiotelephone licenses. The Restricted Radiotelephone operators
permit was one step lower than the Third Class Radiotelephone license and
required no techinical knowledge, only that the operator be registered with

the FCC (fill out the form, get the license - no test).

The Restricted Operators permit did/does not authorize the holder to make transmitter adjustments that may affect the proper operation of the radio station. Any adjustments must be made by the holder of a General Radiotelephone operators license.

(This info from the 1992 issue of AOPAs Aviation USA).

> I believe that the standard "in-plane" radio license that gives
> any pilot the right to use the VHF radios within the U.S. is not
> sufficient for flights outside the country. I have flown to
> Canada on a couple of occasions, and I believe that, somewhere in
> my flight bag, is a more general radio license that I needed to do
> that. I will check over this weekend, and report back on exactly
> what I obtained. I do recall that no examination was required.
>

See the above. For Canada, you need to be carrying a Restricted Operators Permit from the FCC.

John Rice __|__ K9IJ | MY opinion only, no one else's...Especially
     ________(*)________ | Not my Employer's....
            o/ \o |
                          | ASEL, AMEL, IA rice@ttd.teradyne.com

---

Date: 17 Jan 93 13:41:33 GMT
From: sdd.hp.com!think.com!spool.mu.edu!hri.com!noc.near.net!gateway!miki!wpns@network.UCSD.EDU
Subject: HTs at Disneyland
To: info-hams@ucsd.edu

In article <aoqFXB9w165w@stat.com> david@stat.com (David Dodell) writes:
>I've never been stopped at Disneyland. Actually there is a 146.94
>repeater in Disneyland itself (it is PL -- see ARRL Repeater Directory)

It can't be PL, I don't have PL on my 2M rig and I've used it...

Willie Smith
wpns@pictel.com
--
Willie Smith wpns@pictel.com N1JBJ@amsat.org
"That's the wonderful thing about crayons, they can take

you to more places than a starship." Guinan - STNG

Date: Sun, 17 Jan 1993 15:53:29 GMT
From: usc!howland.reston.ans.net!bogus.sura.net!darwin.sura.net!ukma!
netnews.louisville.edu!ulkyvx.louisville.edu!rdbrow01@network.UCSD.EDU
Subject: Looking for manuals TR 9000
To: info-hams@ucsd.edu

Looking for Kenwood TR 9000 Manuals
2 mtr all-mode need manuals in worst way
any help appreciated.

Tnx   Rick KD4CLQ

Date: Sun, 17 Jan 1993 14:08:03 GMT
From: usc!cs.utexas.edu!convex!news.utdallas.edu!feenix.metronet.com!
marcbg@network.UCSD.EDU
Subject: Macintosh s/w??
To: info-hams@ucsd.edu

Anyone know where amateur and amateur related s/w for the Macintosh is
hiding on the net? I've tried to find it and all I've located is old
copies of MacNet. Help! Thanks.
- -
Marc Grant   Amateur Call: N5MEI
Phone# 214/530-9488   Internet: marcbg@feenix.metronet.com

Date: 17 Jan 93 16:13:03 GMT
From: vtserf!groupw.cns.vt.edu@uunet.uu.net
Subject: Multi-band HF antenna advice?
To: info-hams@ucsd.edu

I am looking for advice on upgrading my HF antenna system. At the
moment I have a Mosley CL-33 (three-element 10/15/20) on a Rohn
HDBX-48 (48' self-supporting). The rotator is a Hy-Gain Ham-IV.
I wish to add coverage for the WARC bands, but improved perfromance
on 10/15/20 would also be good. A new tower is not an option at
the moment.

The HDBX-48 tower is rated for 18sq ft wind load but suggests
a ten foot boom or shorter. My current antenna is 18' and I have

not observed the tower twisting. Adding some sort of arm and
guys is not out of the question for mounting a longer antenna.

Here are the options that I am looking at now:
- Add the Mosley YB-23-A (full-size 12 and 17m 3-element on one boom)
  above the CL-33.
- Replace the CL-33 with a DX-Engineering 14-30Mhz LPDA. I think this
  is a better antenna, but it is pretty big for this tower and
  rotator.
- Replace the CL-33 with a Mosley TA-53. I am not sure this is all
  that great of an antenna.
- Replace the CL-33 with a Sommer XP-70 series Antenna. This is sort
  of a LPDA, but it has passive elements too. I kind of like this
  antenna, but only know one person who has one.

I am interested in your comments on:
- Mounting the CL-33 and YB-23 on the same boom. How much effect will
  they have on each other if they are just 2 or 3 feet apart.
- Does anybody have a big antenna on an HDBX-48?
- Does anyone have any experience with the Sommer antennas?
- Any other useful advice.

73, Phil, KC4ZEN

Date: Sun, 17 Jan 1993 16:42:01 GMT
From: sdd.hp.com!cs.utexas.edu!milano!cactus.org!thompson@network.UCSD.EDU
Subject: Mystery VLF Receiver Purchased
To: info-hams@ucsd.edu

I have a small military surplus (airborne) VLF receiver which
I purchased at a hamfest. It ran from 28V and I modifed it for
12V operation. I would like to learn the military i.d. number
for this receiver. It has no manufacturer markings or i.d.
whatsoever.
Maybe someone can identify it for me.....

The size is about 1/3 of a cubic foot.

The receiver has the following controls:

6-band bandswitch for the following ranges-

6 - 63kHz
30 - 70 kHz
70 - 125kHz
115 - 185kHz

180 - 280kHz
270 - 420kHz

AM/LSB/USB switch
3kc - 10kc selectivity switch
RF gain control
AF gain control
Tuning

Anybody out there have one of these receivers?
Who made it? Any documentation available?

I added a +20 dB preamp to it and it works quite nicely
with my 1m broadband loop.

Any help from fellow VLF'ers appreciated!

-Charlie Thompson
WB4HVD

Date: Sun, 17 Jan 1993 14:18:40 GMT
From: usc!wupost!emory!kd4nc!ke4zv!gary@network.UCSD.EDU
Subject: Old HT PL units available?
To: info-hams@ucsd.edu

In article <9301151106.aa20672@Paris.ics.uci.edu> turner@safety.ICS.UCI.EDU (Clark Savage Turner WA3JPG) writes:
>I have a chance at two older radios, an ICOM 2A and a Kenwood TH 21AT,
>both for a decent deal. My question (living in SoCal), is:
>
>Does anyone still carry or install PL units in these radios?
>
>I recall the ICOM has a single switch for PL tone. I think the
>Kenwood is the same, though some would cut a hole in the radio and put
>in a set of dip switches to choose the tone. Anyone know any sources
>or have suggestions?

The nice folks at Communications Specialists make some little postage stamp sized encoders that will fit inside the 2AT case. You can use a Dremel tool to make an opening for the dip switch, or just set it and forget it. HRO usually carries them, or you can call CS direct at 800-854-0547.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | | emory!ke4zv!gary@gatech.edu

Date: Sun, 17 Jan 1993 15:43:26 GMT
From: usc!howland.reston.ans.net!paladin.american.edu!gatech!kd4nc!ke4zv!
gary@network.UCSD.EDU
Subject: PC repeater controller
To: info-hams@ucsd.edu

In article <0muHXB8w165w@slic.cts.com> mikey@slic.cts.com (Mike Shirley) writes:
>gary@ke4zv.uucp (Gary Coffman) writes:
>
>> In article <104785@netnews.upenn.edu> depolo@eniac.seas.upenn.edu (Jeff DePol
>> >In article <1ilgetINN6pc@matt.ksu.ksu.edu> steve@matt.ksu.ksu.edu (Steve Sch
>> >>phr@telebit.com (Paul Rubin) writes:
>> >>
>> >>>Why can't someone make a repeater controller out of a simple
>> >>>personal computer (286 class), with maybe a relay box controlled...
>>
>> Three local Atlanta hams started this company. The prototype machines
>> have been running for a couple of years here, 147.06 and 145.47. Some
>
>> were actually at the computer console. IMHO this system is vastly
>> superior to ACC, but I don't want a talking, singing, and dancing
>> controller on my machine, so I will stick with S-Comm. :-)
>
>Do these guys have net access? Do they send out snail mail info?
>Is an address available. Our club has an 850 now but we are
>looking to put up another box and would really like to explore
>this option.

The address is:

     A/D Technologies
     4688 Jefferson Township Ln.
     Marietta, GA 30066

They have brochures, and at least one of the principals may have
net access, though I've never seen him post. A postcard should
get you an info packet though.

Gary

--
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Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | | emory!ke4zv!gary@gatech.edu

Date: 17 Jan 93 17:11:51 GMT
From: news-mail-gateway@ucsd.edu
Subject: RACES Bulletin #257
To: info-hams@ucsd.edu

BID : $RACESBUL.257

TO: ALL EMERGENCY MANAGEMENT AGENCIES VIA AMATEUR RADIO
INFO: ALL RACES OPERATORS IN CA (ALLCA: OFFICIAL)
       ALL AMATEURS U.S.   (@ USA: INFORMATION)
FROM: CA STATE OFFICE OF EMERGENCY SERVICES (W6HIR @ WA6NWE.CA)
       2800 Meadowview Rd., Sacramento, CA 95832 (916)262-1600
       Landline BBS open to all: (916) 262-1657
RACESBUL.257   DATE: Jan.18, 1993
SUBJECT: MGT - The importance of planning - part 1/2

Good communications are essential for the success of any complex operation that requires people to function effectively in uncertain and rapidly changing situations. The nature of those communications depends greatly on the number of people involved, the level of sophistication of their equipment, the distances between them, environmental conditions, and any number of other factors.

Most organizations develop an effective means of communications that meets their needs within their system. Usually that includes a communications interface with other similar organizations and systems. But, as the number of organizations involved in a situation increases and their character becomes more diverse, the likelihood of all of them being able to communicate with each other diminishes significantly.

The key to solving these problems is communications conducted calmly before the fact, when all the parties involved can work out a plan that will meet their needs. The communications plan has to be as comprehensive as possible and yet sufficiently flexible to adapt to changes as they occur in the situation and in the capabilities of the organizations involved.

(To be concluded in the next Bulletin)

EOM

RACES Bulletins are archived on the Internet at ucsd.edu in hamradio/races
and can be retrieved using FTP.

Date: 17 Jan 93 09:38:10 CST
From: swrinde!cs.utexas.edu!zaphod.mps.ohio-state.edu!menudo.uh.edu!
ccsvax.sfasu.edu!f_speerjr@network.UCSD.EDU
Subject: Troubleshooting HW-8
To: info-hams@ucsd.edu

I'm trying to revive an old Heath HW-8. Can anyone help with some
troubleshooting advice?

Here's the story so far:

1. It works fine on 80, 20, & 15, except that TR relay delay adjustment doesn't
work. Think that must be an old and dead electrolytic cap in the timing
circuit, which I will replace.

2. It works NOT AT ALL on 40, neither transmit nor receive. Thought that must
be the LO for 40 meters, so listened on a general coverage receiver. Can hear
the 80, 20, & 15 LO's, but not the 40. Bingo!

3. As interested readers will know, this thing uses the same LO for all bands,
just switches in different crystals and tuned circuits. So my problem must be
in the 40 meter crystal and tuned circuit, no? Checked voltages in that tuned
circuit. All OK. So no open resistors.

4. So the problem must be in the crystal itself, or associated capacitors or
inductors. Right? So now what do I do? Replace the parts one at a time until
the thing works? Remove capacitors and inductor individually, and test? (Except
for the tuned inductor, it would be easier just to replace them.) Suggestions??

Thanks in advance for any help!!

Cheers & 73!

James R. Speer   Phone: 409 568 1478
Department of Psychology   Fax: 409 568 2190
Stephen F. Austin State University   E-mail: F_SPEERJR@ccsvax.sfasu.edu
Nacogdoches TX 75962-3046   Ham Radio: K5YUT

Date: 17 JAN 93 18:09:43 GMT
From: access.usask.ca!skyfox!phillipsa@decwrl.dec.com
Subject: TS-450 Tx-all frequency mod... info wanted...
To: info-hams@ucsd.edu

At one time I owned a 430s which I modified to tx on all frequencies. This
was very helpful to me when I was operating in remote locations in outback
Australia and Mawson, Antarctica as is permitted the 430s to be used as a
backup emergency transmitter. In fact the 430s was used in a real emergency
in Antarctica when it was found that it far outperformed the mobile HF
transmitters used by the Aussies at the time (1984). I would like to make
a similar mod to the 450s. If you have info or know where to find it, please
would you drop me a line...

andre phillips ZL3AW/VE5, VK5AAP, VK0AP <-antarctic call...

Date: Sun, 17 Jan 1993 14:24:47 GMT
From: usc!wupost!emory!gatech!concert!unccsun.uncc.edu!jmcoving@network.UCSD.EDU
Subject: VP5V
To: info-hams@ucsd.edu

In article <1jb2d4INN2v7@spool.mu.edu> jason@studsys.mscs.mu.edu (Jason Hanson)
writes:
>Can anyone send me QSL info for VP5V?

QSL via WN5A.

--
John Covington WN4BBJ   Internet: jmcoving@mosaic.uncc.edu
P.O. Box 217122   MCI Mail: JCOVINGTON 342-6957
Charlotte, NC 28221-7122 Packet Radio Mail: WN4BBJ @ N7IJI.#CLT1.NC.USA.NA
(704) 537-7653   "Kenneth, what's the frequency?" "I dunno, ask Dan"

Date: Sun, 17 Jan 1993 14:42:43 GMT
From: swrinde!gatech!kd4nc!ke4zv!gary@network.UCSD.EDU
Subject: What Amateur Radio books should a library have?
To: info-hams@ucsd.edu

In article <1993Jan15.195852.18698@nntpd2.cxo.dec.com> little@nuts2u.enet.dec.com
(nuts2u::little) writes:
>
>   So with that in mind, I'd love to solicit your suggestions for amateur

> radio related books that a library should have in its holdings.
>
> PS If the ARRL has a recommended list or could send me something that
> I could hand to the library, that might help persuade them to
> purchase certain items.

Todd, the ARRL has a recomended list, it's their catalog. :-)

And that would make a good start. I'd recommend at least a copy of the current ARRL Handbook, the RSGB Handbook, the ITT Handbook, Reference Data for Engineers, and the Radio and Engineers Handbook. Add to that the ARRL Antenna Book, the RSGB Microwave series, Steve Kasten's Electronic Prototype Construction, Jasik's Antenna Engineering Handbook, J. D. Kraus's Antennas, and of course the must have book is The Art of Electronics by Horowitz and Hill.

Gary
--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | | emory!ke4zv!gary@gatech.edu

Date: 17 Jan 93 20:16:31 GMT
From: news-mail-gateway@ucsd.edu
Subject: What Amateur Radio books should a library have?
To: info-hams@ucsd.edu

An aside -- amateur radio magazines in the reference section can be invaluable to the hams in the area. Most can be obtained on microfiche for a reasonable amount ($280 for the whole of 73 1960 to 1992, for example). Same for CQ, QST and so on.

Perhaps not the first step but as part of a coherent strtegey this could help old a new hams.

72/73 Kevin, N7WIM / G8UDP
a-kevinp@microsoft.com

Date: Sun, 17 Jan 1993 14:49:22 GMT
From: swrinde!gatech!kd4nc!ke4zv!gary@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1993Jan12.095904.7329@walter.cray.com>,

<1993Jan13.083829.11022@ke4zv.uucp>, <1993Jan16.013619.145805@locus.com>
Reply-To : gary@ke4zv.UUCP (Gary Coffman)
Subject : Re: intermod, overload, desense?

In article <1993Jan16.013619.145805@locus.com> dana@lando.la.locus.com (Dana H. Myers) writes:
>
>I would think that a shorted 1/2 wave line is not exactly the same as
>a open 1/4 wave line. The 1/2 wave line is twice as long and would have
>twice as much loss, resulting in a proportionately lower value of Q.
>Otherwise, it is essentially the same as the 1/4 wave line. No?

Yes, but the cutting accuracy requirement is also halved for the same
percentage error, so it's a little easier to work with at UHF.

Gary

--
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534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | | emory!ke4zv!gary@gatech.edu

End of Info-Hams Digest V93 #73
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